GE
Lighting Solutions

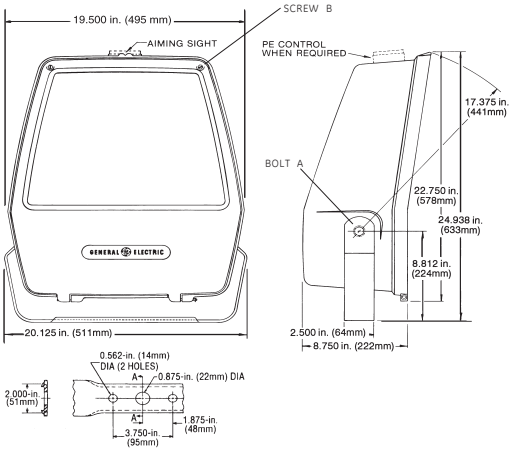
GEH-3851C

INSTRUCTIONS

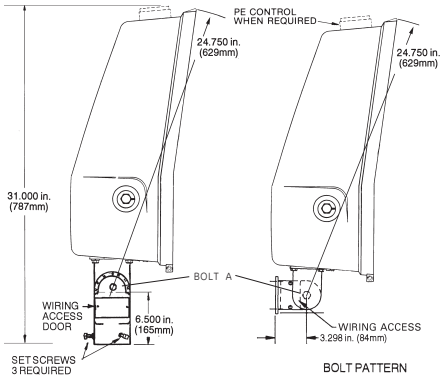
HLU, VLU Powerflood® Floodlight

READ THOROUGHLY BEFORE INSTALLING

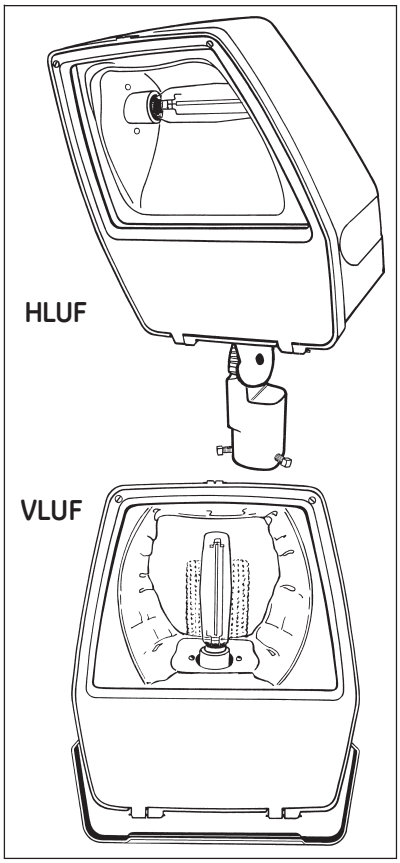
Trunnion Mounted
(Standard)



Slipfitter Mounted
(Options **K** or **S**)



Wall Mounted
(Option **V**)



WARNING

Risk of electric shock
- Turn power off before servicing – see instructions

GENERAL

This luminaire is designed for outdoor lighting applications, and should not be used in areas of limited ventilation or in high ambient temperature enclosures. Best results will be obtained if installed and maintained according to the following recommendations.

UNPACKING

This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

MOUNTING

CAUTION

Unit will fall if not installed properly
- Follow installation instructions

This floodlight is provided with either trunnion mounting, pipe mounting, or wall mounting means.

TRUNNION MOUNTED UNITS — Mounted directly on a flat surface. Mounting adapters are available for installation on poles, crossarms, pipes, etc. The trunnion bracket has a clearance hole for a 3/4-inch bolt used for attachment to such mountings. The 0.562-inch holes on either side permit additional anchoring, where required. Tighten side trunnion bolts to 18 - 22 foot pounds.

PIPE MOUNTED UNITS — The slipfitter can be mounted on 1-7/8-inch O.D. through 2-3/8-inch O.D. or 2-7/8-inch O.D. through 3-inch O.D. pipes. Three set screws are used to clamp the floodlight securely to the pipe. Tighten set screws to 18 - 22 foot pounds.

WALL MOUNTED UNITS - The wall mounting plate is provided with four (4) 0.438-inch clearance holes spaced 4.375(H)x2.875(V) inches for mounting.

AIMING

Slightly loosen bolt "A" (two on trunnion, one on slipfitter), tilt luminaire to desired position, and retighten bolts. Both trunnions and slipfitters have vertical degree scales which permit setting the floodlight at a selected

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to GE Lighting Solutions.

angle and facilitate repositioning to the original setting after having moved the floodlight for servicing. Also, a sight has been cast into the top of the housing as an aid in aiming the unit during daylight hours.

PHOTOELECTRIC CONTROL

Photoelectric control receptacle (if present) should be oriented before control is installed. Loosen the two holding screws and rotate receptacle until "North" is directed as near as possible to true north. Tighten holding screws and install control.

WIRING

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

Verify that supply voltage is correct by comparing it to nameplate.

If unit is designated as multivolt or multiwatt, follow specific instruction.

Connect ground lead to the green lead, green ground screw on housing or terminal block provided.

Do not remove insulated connectors from wires not needed for required voltage connection.

When changing voltage on reconnectable units, move only the lead with the insulated connector.

IF SINGLE VOLTAGE:
All single voltage ballasts are pre-wired such that user need only connect the supply conductors.

IF MULTIVOLT: (120/208/240/277 volts)
Connect the ballast lead with the insulated terminal to the desired voltage terminal as indicated on the ballast terminal nameplate.

IF MULTIWATT:
Multiwatt ballasts are available in various combinations of wattage. See wiring instructions on wiring tag inside the luminaire.

TRUNNION MOUNTED LUMINAIRES — Three-conductor No. 14 cable (with 90°C minimum insulation) is recommended for making electrical connections to these units. Open the floodlight by loosening two screws "B" and pulling the door forward. Remove the insulation shield from the reflector to expose the wiring entrance and terminal board. Loosen screws in pressure plate, insert cable through grommet, and retighten screws. (Notice that grommet fits cable of approximately 9/16-inch diameter.) Grommet and pressure plate form a weatherproof seal and strain relief. To maintain this seal, screws in pressure plate must be retightened whenever seal is disturbed.

Connect line lead to first (#1) terminal board position and neutral lead to last (#3) position and connect ground lead to the terminal with the green lead attached.

Before closing luminaire, be sure insulation shield is properly attached to the reflector.

SLIPFITTER-MOUNTED AND WALL-MOUNTED UNITS — Splice supply leads to three leads inside wiring box. Splice line lead to black lead, neutral lead to white lead, and ground lead to green lead, which is electrically connected to floodlight housing.

LAMPS

Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

The VLU is designed for high pressure soduim (HPS), "Deluxe White" mercury, and metal halide lamps of 400 watts and less, depending upon the ballast installed. The HLU is designed for HPS lamps only.

Lamp Tightness – Mogul Base Lamp: The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds, which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load the center contact of the socket.

MAINTENANCE

CAUTION

Risk of burn
- Allow lamp/fixture to cool before handling

WARNING

Risk of burn
- Do not touch operating luminaire

This unit has a ballast tray which can be removed for easy replacement of the ballast, ignitor or capacitor. To remove the tray, disconnect the supply leads from the terminal board, separate the disconnect to the lamp and photoelectric control, loosen the screws at the top of the ballast tray and slide the tray to the left so that the tray can be pulled free over the keyhole slots. Reverse this procedure for installation.

The ALGLAS® finished reflector and door glass may be cleaned with any suitable non-abrasive glass cleaning solution, soap or detergent, and rinsed with clean water.

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